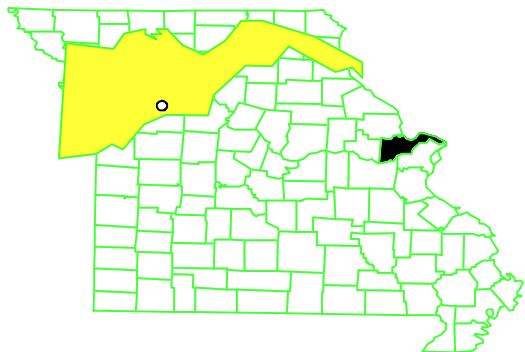


**WELDON SPRING
FORMER ARMY
ORDNANCE
WORKS
MISSOURI
EPA ID# MO5210021288**

**EPA Region 7
City: 35 miles west of St. Louis
County: St. Charles County
Other Names: Weldon Springs
National Guard Facility,
US Army Training Center, Weldon
Springs-Ex Army Ordnance Plant,
Ft. Leonard Wood**



SITE DESCRIPTION

The Weldon Spring Former Army Ordnance Works site occupied more than 17,000 acres and operated from 1941 to 1944. During its operation, the site produced the explosives including trinitrotoluene (TNT) and dinitrotoluene (DNT) for the U.S. Armed Services. A series of land transfers left the Army with 1,655 acres, which it has operated since 1959 for the Army Reserve as the Weldon Spring Training Area. Contaminated areas are spread throughout the 17,000 acres of the site, with the greatest concentration in the Training Area. Some of the transferred land that covered two small areas of the original Ordnance Works area now are owned by the U.S. Department of Energy (DOE) and listed on the National Priorities List as Weldon Spring Quarry/Plant/Pits site. Investigations have identified a number of potentially contaminated areas, including seven unlined lagoons where TNT wastewater was stored, TNT production lines, two DNT production lines, drainage ditches below TNT production lines, and eight areas where explosive wastes were burned. Approximately 5,000 people live within 3 miles of the site, and approximately 70,000 people obtain drinking water from St. Charles County wells located within 3 miles of the hazardous substances at the site. Surface water in the area flows either to the Mississippi River watershed to the north or the Missouri River watershed to the south. Surface waters located within 3 miles are used for recreational activities.

Site Responsibility:

This site is being addressed through Federal actions.

NPL LISTING HISTORY

Proposed Date: 07/14/89

Final Date:	02/21/90
Deleted Date:	

THREATS AND CONTAMINANTS

In 1987, a Department of Defense (DoD) investigator found explosives such as TNT and DNT in monitoring wells near the lagoons. TNT, DNT, and lead have been identified in soil at several areas on the site, and TNT was detected in 1987 in surface water downstream of the lagoons. The Mississippi watershed, which supports wetlands, wildlife, and recreational activities, may be threatened by runoff from the site. The TNT and DNT contamination on the site represent a physical hazard with some potential for explosion. Ingestion of polluted surface water, groundwater, or contaminated soil may pose a threat to human health. DNT is a probable human carcinogen and may be absorbed through direct contact.

CLEANUP APPROACH

Response Action Status

Initial Actions: In late 1992, the U.S. Army Corps of Engineers removed the interior wooden boards of a storage room used by the Francis Howell School District. This storage room was a box factory during the operation of the former Ordnance Works during World War II. Explosive contaminants were discovered within the interior wooden boards after wipe samples from the building were taken. The interior wooden boards were removed and replaced with sheetrock. As part of a removal action, burning ground #1 was fenced to eliminate any potential exposures while investigative actions are ongoing. Surface chunks of TNT have also been removed from the burning grounds to eliminate any direct contact threat.

Entire Site: In 1987, the DoD identified a number of contaminated areas on the site. Under EPA direction, DoD began a complete investigation into the nature and extent of contamination at the site in early 1990. The study, which will lead to the selection of a final cleanup remedy, was divided into two Operable Units (OUs). Operable Unit 1 addressing surface soil, buried wooden pipeline, and various structures which is nearly complete will lead to a source removal cleanup remedy. Operable Unit 2 of the study addressing groundwater contamination and will be completed in early 2003. The groundwater is currently being monitored to determine the impact from the source removal remedy for OU1. The DoD and DOE began a joint groundwater investigation in the spring of 1995 and samples from monitoring wells and surface water were analyzed. These investigations were completed in 1997.

Site Facts: This site is participating in the Installation Restoration Program, a specially funded program established by the DoD in 1978 to identify, investigate, and control the migration of hazardous contaminants at military and other DoD facilities.

ENVIRONMENTAL PROGRESS



The removal and replacement of interior wooden boards in a storage room at the site has reduced the potential for exposure to explosive contaminants while further investigations leading to a final cleanup remedy continue. The Record of Decision (ROD) for Operable Unit 1 was signed September 26, 1996. It selects incineration of TNT contaminated soils and wooden pipeline as the remedy. Contaminated materials unsuitable for incineration will be decontaminated, stabilized, and disposed of in a containment cell on-site or transported to a suitable RCRA permitted facility.

OU#1 actions will be completed in the third quarter of FY 2001. A revised Feasibility Study and Proposed Plan will be submitted in the second quarter of FY 2003 for OU#2. The Proposed Plan and the remedy identified in the ROD will be predicted on the results of the post source removal groundwater monitoring now ongoing.

SITE REPOSITORY



Weldon Training Area, 7301 Highway
94 South, St. Charles, MO 63304

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

Tom Lorenz

E-MAIL ADDRESS:

lorenz.thomas@epamail.epa.gov
(913) 551-7292

**COMMUNITY INVOLVEMENT
COORDINATOR:**

Dan Mroz
USACOE
700 Federal Building
601 E. 12th Street
Kansas City, MO 64106-2896
(816) 983-3368

PHONE NUMBER:

PUBLIC INFORMATION CENTER:

Kisker Library
St. Charles City, County Library
1000 Kisker Road
St. Charles, Missouri 63303

E-MAIL ADDRESS:

STATE CONTACT:

Ray Strebler

PHONE NUMBER:

(513) 751-7241

MISCELLANEOUS INFORMATION

STATE:

MO
07BC

CONGRESSIONAL DISTRICT:

09

EPA ORGANIZATION:

SFD-SUPR/FFSE

MODIFICATIONS